

FIG. 1

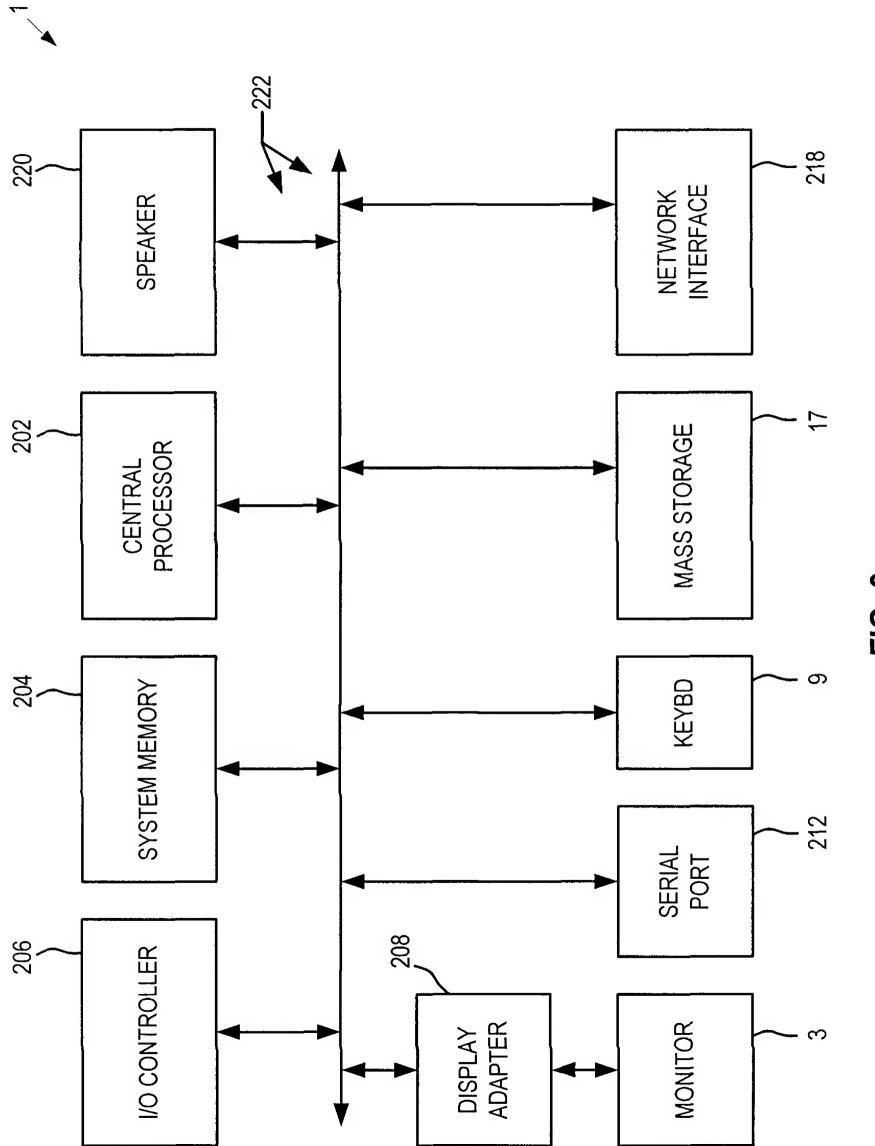


FIG. 2

FIG. 3

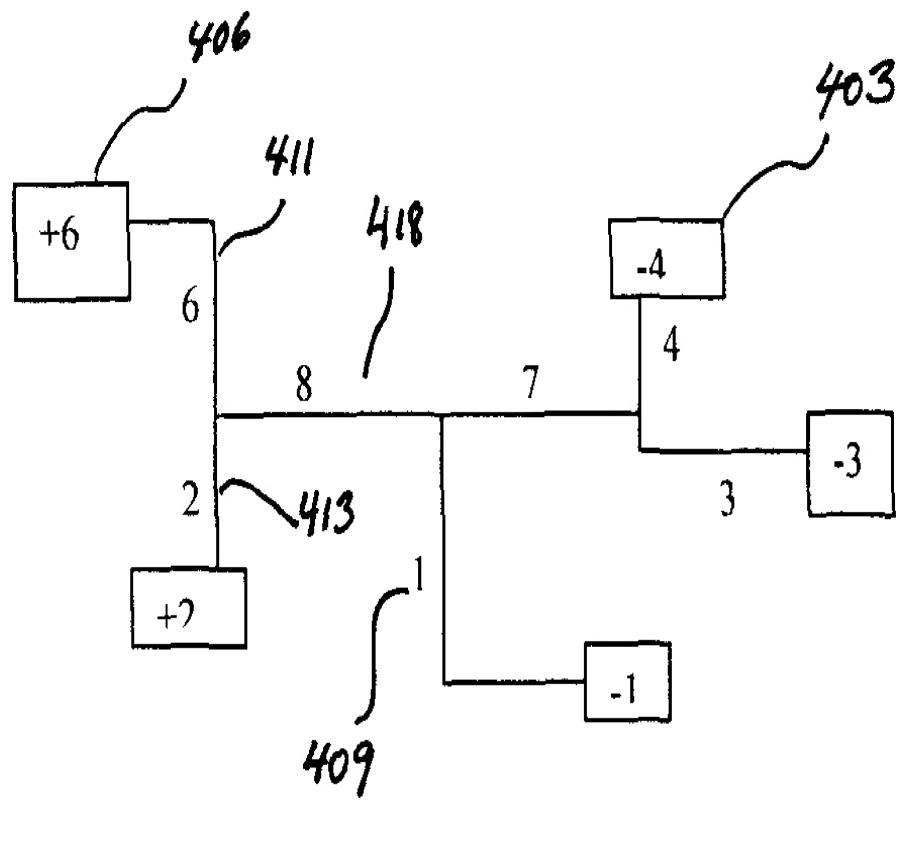
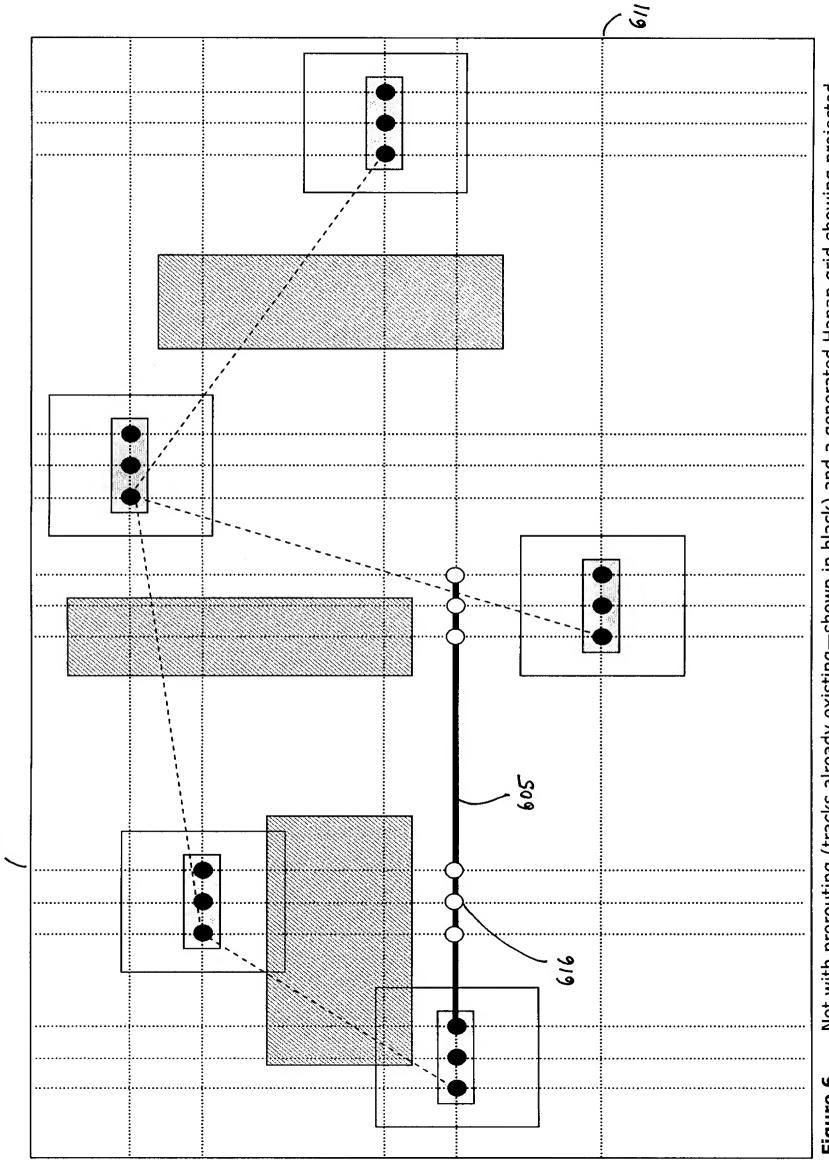
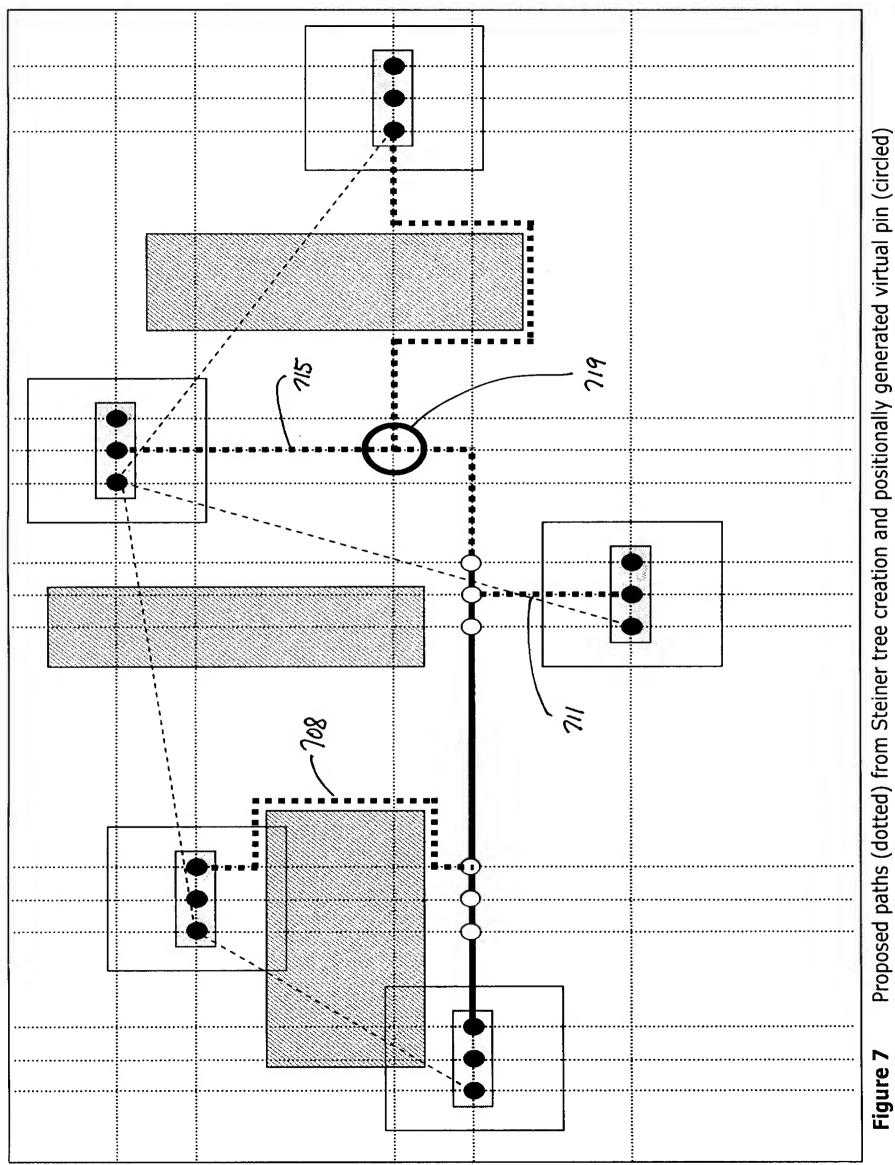


FIG. 4

Figure 5 Unrouted net showing points (black) on pins



Net with prerouting (tracks already existing—shown in black) and a generated Hanan grid showing projected points onto the prerouting (clear circles)



Proposed paths (dotted) from Steiner tree creation and positionally generated virtual pin (circled)